Amendments to the Claims:

The following claims will replace all prior versions of the claims in this application (in the unlikely event that no claims follow herein, the previously pending claims will remain):

1. (Currently Amended) A heat-curable epoxy resin composition comprising an epoxy resin and an oligomeric and/or polymeric impact modifier which is a polyamide, a polyurethane, a polyesteramide, a copolymer formed from a polyester and polyamide, or a polyurethane formed from a polyester, wherein the impact modifier comprises a residue of at least one dimer fatty acid and/or dimer fatty diol; diol;

wherein the polyester consists essentially of:

- i) polyol residues derived from polyols having a molecular weight of between
 50 and 200; and/or
- ii) dimer diol residues derived from dimer fatty diols; and wherein the composition is capable of phase separation upon curing to form phase-separated domains and/or particles comprising the impact modifier.
- 2. (Currently Amended) A cured epoxy resin composition comprising a reaction product of an epoxy resin and an oligomeric and/or polymeric impact modifier which is a polyamide, a polyurethane, a polyesteramide, a copolymer formed from a polyester and polyamide, or a polyurethane formed from a polyester, wherein the impact modifier comprises a residue of at least one dimer fatty acid and/or dimer fatty diol; diel,

wherein the polyester consists essentially of:

- i) polyol residues derived from polyols having a molecular weight of between
 50 and 200; and/or
- <u>ii) dimer diol residues derived from dimer fatty diols;</u> and wherein the cured resin composition comprises phase-separated domains and/or particles comprising the impact modifier.
- 3-4. (Cancelled).

- 5. (Previously Presented) A composition according to claim 31 wherein the polyester is formed from dimer fatty acids, adipic acid, and at least one diol having a molecular weight in the range from 50 to 200.
- 6. (Previously Presented) A composition according to claim 1 wherein the impact modifier comprises polyamide.
- 7. (Previously Presented) A composition according to claim 31 wherein the impact modifier comprises in the range from 15 to 50% by weight of dimer fatty acid and/or dimer fatty diol residues.
- 8. (Previously Presented) A composition according to claim 31 wherein the weight ratio of epoxy resin:impact modifier is in the range from 1.5 to 10:1.
- 9. (Previously Presented) A composition according to claim 31 comprising in the range from 10 to 50% by weight of impact modifier.
- 10. (Previously Presented) A composition according to claim 31 comprising in the range from 4 to 20% by weight of dimer fatty acid and/or dimer fatty diol residues.
- 11. (Previously Presented) A composition according to claim 31 comprising a reaction product of an epoxy resin and a prepolymer wherein the prepolymer comprises the reaction product of an epoxy resin and the oligomeric and/or polymeric impact modifier.
- 12. (Original) A composition according to claim 11 wherein the prepolymer comprises in the range from 20 to 60% by weight of impact modifier.
- 13. (Cancelled).

- 14. (Previously Presented) A composition according to claim 33 wherein the domains and/or particles have a mean particle diameter in the range from 0.4 to 7 μ m.
- 15. (Previously Presented) A composition according to claim 33 wherein the domains and/or particles have a mean aspect ratio in the range from 0.6 to 1.4:1.
- 16. (Previously Presented) A composition according to claim 33 wherein less than 25% by number of domains and/or particles have a particle diameter of less than $0.5 \mu m$.
- 17. (Previously Presented) A composition according to claim 33 wherein less than 20% by number of domains and/or particles have a particle diameter of greater than 5 µm.
- 18. (Previously Presented) A composition according to claim 33 wherein the interfacial work of adhesion, Ga is greater than 70 Jm⁻².
- 19. (Previously Presented) A composition according to claim 33 wherein the essential work of fracture is in the range from 12 to 18 kJm⁻².
- 20. (Currently Amended) A prepolymer comprising a reaction product of an epoxy resin and an oligomeric and/or polymeric impact modifier, wherein the impact modifier is a polyester comprising from 15 to 50% by weight of a residue of at least one dimer fatty acid and/or dimer fatty diol, wherein said polyester comprises consists essentially of:
 - i) polyol residues derived from polyols having a molecular weight of between 50 and 200-200; and/or
- <u>ii)</u> dimer diol residues derived from dimer fatty <u>diols</u>; <u>diols</u>, <u>and</u> wherein said prepolymer comprises in the range from 40 to 80% by weight of the epoxy resin and 20 to 60% by weight of the impact modifier.

- 21. (Previously Presented) A cured epoxy resin composition according to claim 33 comprising phase-separated domains and/or particles comprising impact modifier, said domains and/or particles having an aspect ratio in the range from 0.7 to 1.3:1, and a mean particle diameter in the range from 0.8 to 5 µm.
- 22. (Previously Presented) A composition according to claim 21 wherein at least 60% by number of the domains and/or particles have a particle diameter in the range from 0.8 to 5 µm.
- 23. (Previously Presented) A composition according to claim 21 wherein less than 25% by number of domains and/or particles have a particle diameter of less than 0.5 μ m.
- 24. (Previously Presented) A composition according to claim 21 wherein less than 20% by number of domains and/or particles have a particle diameter of greater than 5 μm.
- 25. (Cancelled).
- 26. (Previously Presented) A heat-curable electronic assembly adhesive composition comprising the heat-curable epoxy resin composition according to claim 31.
- 27. (Previously Presented) A circuit board comprising a chip or die bonded by the cured epoxy resin composition according to claim 33.
- 28. (Previously Presented) A method of forming a heat-curable epoxy resin composition comprising the heat-curable epoxy resin composition according to claim 31, which method comprises:
 - reacting the impact modifier with a first epoxy resin to form a prepolymer, and mixing the prepolymer with a second epoxy resin.

- 29. (Original) A method according to claim 28 wherein the molecular weight of the first epoxy resin is less than the molecular weight of the second epoxy resin.
- 30. (Previously Presented) A method of assembling components, comprising:
 - a) interposing a heat-curable epoxy resin adhesive composition between respective surfaces of the components; and
 - b) curing said composition with the components in contact therewith, said adhesive composition comprising the heat-curable epoxy resin composition according to claim 31.
- 31. (Previously Presented) A heat-curable epoxy resin composition, comprising:
 - a) an epoxy resin, and
 - b) an oligomeric and/or polymeric impact modifier which is a polyester comprising a residue of at least one dimer fatty acid and/or dimer fatty diol, wherein said polyester comprises polyol residues derived from polyols having a molecular weight of between 50 and 200 and/or dimer diol residues derived from dimer fatty diols,

wherein the composition is capable of phase separation, upon curing, to form phaseseparated domains and/or particles comprising the impact modifier.

- 32. (Cancelled).
- 33. (Previously Presented) A cured epoxy resin composition comprising a reaction product of:
 - a) an epoxy resin; and
 - b) an oligomeric and/or polymeric impact modifier which is a polyester comprising a residue of at least one dimer fatty acid and/or dimer fatty diol, wherein said polyester comprises polyol residues derived from polyols having a molecular weight of between 50 and 200 and/or dimer diol residues derived from dimer fatty diols,

wherein said composition comprises phase-separated domains and/or particles comprising the impact modifier.

- 34. (Cancelled).
- 35. (Currently Amended) A heat-curable epoxy resin of claim 31, —wherein wherein said polyester comprises polyol residues derived from polyols selected from the group consisting of pentaerythritol, glycerol, trimethylolpropane, ethylene glycol, diethylene glycol, 1,3-propylene glycol, dipropylene glycol, 1,4-butylene glycol, 1,6-hexylene glycol, neopentyl glycol, 3-methyl pentane glycol, 1,2-propylene glycol, 1,4-bis(hydroxymethyl)cyclohexane, (1,4-cyclohexane-dimethanol) and dimer fatty diols.
- 36. (Previously Presented) The composition of claim 35, wherein said polyester comprises polyol residues derived from polyols selected from the group consisting of ethylene glycol, diethylene glycol, 1,4-butylene glycol, 1,6-hexylene glycol, neopentyl glycol and dimer fatty diols.
- 37. (Previously Presented) The composition of claim 35, wherein said polyester comprises polyol residues derived from polyols selected from the group consisting of 1,4-butylene glycol, 1,6-hexylene glycol and neopentyl glycol.
- 38. (Previously Presented) A cured epoxy resin composition of claim 33 wherein said polyester comprises polyol residues derived from polyols selected from the group consisting of pentaerythritol, glycerol, trimethylolpropane, ethylene glycol, diethylene glycol, 1,3-propylene glycol, dipropylene glycol, 1,4-butylene glycol, 1,6-hexylene glycol, neopentyl glycol, 3-methyl pentane glycol, 1,2-propylene glycol, 1,4-bis(hydroxymethyl)cyclohexane, (1,4-cyclohexane-dimethanol) and dimer fatty diols.
- 39. (Previously Presented) The composition of claim 38, wherein said polyester comprises polyol residues derived from polyols selected from the group consisting of ethylene glycol, diethylene glycol, 1,4-butylene glycol, 1,6-hexylene glycol, neopentyl glycol and dimer fatty diols.

- 40. (Previously Presented) The composition of claim 38, wherein said polyester comprises polyol residues derived from polyols selected from the group consisting of 1,4-butylene glycol, 1,6-hexylene glycol and neopentyl glycol.
- 41-44. (Cancelled).
- 45. (Currently Amended) A heat-curable epoxy resin composition comprising an epoxy resin and an oligomeric and/or polymeric impact modifier, wherein the impact modifier comprises a residue of dimer fatty acids and non-dimer fatty acids wherein the ratio of dimer fatty acids to non-dimer fatty acids is in the range from 30 to-60 70%:30 to-60 70% by weight of the total dicarboxylic acids, and wherein the composition is capable of phase separation upon curing to form phase-separated domains and/or particles comprising the impact modifier.
- 46. (Currently Amended) A heat-curable epoxy resin composition comprising an epoxy resin and an oligomeric and/or polymeric impact modifier, wherein the impact modifier is a polyester wherein said polyester comprises comprises:
 - i) polyol residues consisting essentially of pentaerythritol, glycerol, trimethylolpropane, ethylene glycol, diethylene glycol, 1,3-propylene glycol, dipropylene glycol, 1,4-butylene glycol, 1,6-hexylene glycol, neopentyl glycol, 3-methyl pentane glycol, 1,2-propylene glycol, 1,4-bis(hydroxymethyl)cyclohexane, (1,4-cyclohexane-dimethanol); and/or, and/or
- <u>ii)</u> dimer fatty diols<u>; and, and</u> wherein the composition is capable of phase separation upon curing to form phase-separated domains and/or particles comprising the impact modifier.
- 47. (Previously Presented) A composition according to claim 1 wherein the impact modifier comprises polyamide or polyurethane.
- 48. (Previously Presented) A composition according to claim 2 wherein the impact modifier comprises polyamide or polyurethane.

- 49. (Currently Amended) A composition according to claim 45, wherein the polyester-impact modifier is formed from dimer fatty acids, adipic acid, and at least one diol having a molecular weight in the range from 50 to 200.
- 50. (Previously Presented) The composition of claim 49, wherein said polyester comprises polyol residues derived from polyols selected from the group consisting of 1,4-butylene glycol, 1,6-hexylene glycol and neopentyl glycol.
- 51. (Previously Presented) A composition according to claim 46, wherein the polyester is formed from dimer fatty acids and adipic acid.
- 52. (Previously Presented) The composition of claim 51, wherein said polyester comprises polyol residues derived from polyols selected from the group consisting of 1,4-butylene glycol, 1,6-hexylene glycol and neopentyl glycol.
- 53. (Previously Presented) A composition according to claim 1 wherein the impact modifier comprises a copolymer formed from a polyester and polyamide or a polyurethane formed from a polyester.
- 54. (Previously Presented) A composition according to claim 2 wherein the impact modifier comprises a copolymer formed from a polyester and polyamide or a polyurethane formed from a polyester.
- 55. (New) The composition of claim 31, wherein said polyester consists essentially of:
 - i) polyol residues derived from polyols having a molecular weight of between 50 and 200; and/or
 - ii) dimer diol residues derived from dimer fatty diols.

- 56. (New) The composition of claim 33, wherein said polyester consists essentially of:
 - i) polyol residues derived from polyols having a molecular weight of between 50 and 200; and/or
 - ii) dimer diol residues derived from dimer fatty diols.